

Certificate of Analysis

Product: Tetrahydrofuran
Grade: ACS/HPLC grade, no preservative
CAS # 109-99-9
CHEMICAL FORMULA : C₄H₈O
MDL: MFCD00005356

Product Code : CP-C1591
Lot: CPEH735
Density: 0.8876 g/mL, 20C
F.W. 72.107 g/mol
Flash Point -14°C, 7°F

Analytical Results		
Item	Specifications	Analysis
Appearance (Color)	Colorless	Colorless
Appearance (Form)	Liquid	Liquid
Color (APHA)	max. 10	<10
Titration Acid (as Acetic acid)	max. 0.002	<0.002%
GC Analysis	more than 99.90%	>99.99%
Water by Karl Fischer Titration	max. 0.050%	0.008%
Residue	max. 0.0005	<0.0005%
Identification by IR	conforms to structure	conforms to structure
Peroxides (as H ₂ O ₂)	max. 0.05	<0.050%
UV-Visible Spectrum		
Absorbance @ 400nm (1cm)	0.005 AU	<0.0001 AU
Absorbance @ 350nm (1cm)	0.005 AU	<0.0001 AU
Absorbance @ 315nm (1cm)	0.0044 AU	<0.0001 AU
Absorbance @ 300nm (1cm)	0.020 AU	0.0024 AU
Absorbance @ 275nm (1cm)	0.046 AU	0.0285 AU
Absorbance @ 250nm (1cm)	0.180 AU	0.1643 AU
Absorbance @ 245nm (1cm)	0.260 AU	0.2189 AU
Absorbance @ 212nm (1cm)	1 AU	0.7553 AU
Meets ACS Requirements		Meets requirements
Manufacturing date		Nov-08-2023
Retest date		Nov-07-2026

C = 4L

This is to certify that samples of the lot number above were tested and found to comply with the stated specifications. Some or all data have been provided by vendors/third parties. ChemPure Brand Chemicals expressly disclaims all warranties, expressed or implied, including the implied warranties of merchantability and fitness for a particular use or purpose. Persons using this information should make their own determination regarding its suitability for their particular use.

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